Dist-County-Route: 03-Sie-49
Post Mile Limits: 35.0/47.4
Project Type: Preventative Maintenance
Project ID (EA): XXXXXX
Program Identification: 20.80.010.010
Phase: ☐ PID ☐ PA/ED ☒ PS&E

Regional Water Quality Control Board(s): Central Valley

1.	Does the project disturb 5 or more acres of soil?	Yes ☐	No ☒
2.	Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver?	Yes ☐	No ☒
3.	Is the project required to implement Treatment BMPs?	Yes ☐	No ☒
4.	Does the project impact existing Treatment BMPs?	Yes ☐	No ☒

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Stormwater Data Report. Unless otherwise agreed upon by the District/Regional Design Stormwater Coordinator.

Total Disturbed Soil Area: 0.0 New Impervious Surface: 0.0
Estimated Const. Start Date: 6/1/17 Estimated Const. Completion Date: 8/1/17
Risk Level: RL 1 ☐ RL 2 ☐ RL 3 ☐ Not Applicable ☒

This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Betsy Ross 10/08/16
Betsy Ross, Registered Project Engineer/Landscape Architect *Date*

I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

Friedrich Wilhelm von Steuben 10/08/16
Friedrich Vilhelm von Steuben, District/Regional Design SW Coordinator or Designee *Date*

1. Project Description

This project proposes to place a microsurfacing seal coat consisting of asphaltic emulsion and aggregate on the existing pavement to prolong the life of the roadway in Sierra County near Sierra City on State Route 49 (SR49) from 0.7 miles east of Gold Lake Road to the northern SR 49/89 junction. Prior to placing the microsurfacing, cracks will be sealed, and failed pavement will be replaced by grinding to a maximum depth of 3 inches and repaving with hot mix asphalt (HMA). Damaged asphalt concrete dikes will be replaced in kind, and shoulder backing will be constructed behind these dikes. All pavement delineation affected will be replaced in kind.

Per the EPA definition for the CGP, this project is considered routine maintenance because it maintains the original line and grade, hydraulic capacity, and original purpose of the facilities. This project provides preventative maintenance to existing highway facilities and will maintain existing facility functions. Because this project is routine maintenance, it is exempt from the Construction General Permit requirements.

This project will have minimal water quality impacts because it does not disturb soil and does not create any new impervious area. With the exception of temporary construction area sign placement and placement of shoulder backing behind HMA dikes, all work is within existing pavement limits and does not count toward the calculation of DSA. The project is not located within the area of a local Municipal Separate Storm Sewer System (MS4) permittee.

2. Site Data and Stormwater Quality Design Issues

No project-specific site data and stormwater quality design issues apply to the project. No project receiving waters were determined.

A 401 water quality certification is not required.

3. Construction Site BMPs

This project has no disturbed soil area, and therefore will require a Water Pollution Control Program rather than a Storm Water Pollution Prevention Plan. Because the project disturbs less than one acre of soil, neither a Rainfall Erosivity Waiver nor a Risk Assessment is required.

Temporary construction site Best Management Practices (BMPs) will minimize water pollution. The short construction period of two months during a time of year with little historical rainfall will further reduce the potential for water quality impacts. Construction sequencing shall be scheduled to minimize potential water quality impacts. All appropriate waste management and material pollution controls, in addition to non-storm water management BMPs, have been considered, and budget has been included in the lump sum Construction Site Management bid item. This includes the quantity for concrete washout, which is less than 5.2 cubic yards (yd^3). Work will be performed in conformance with the provisionsof Section 13 Water Pollution Control of the 2015 Standard Specifications.

The Construction Site BMPs (PPDG F.3.2) are included in the Construction BMP Estimate below.

Construction BMP Estimate (for Caltrans use only) (at PS&E only)

SS/SSP	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE[1]	AMOUNT[1]
13-3	130300	Prepare SWPPP	LS	0	$0	$0
13-2	130200	Prepare WPCP	LS	1	$1,100	$1,100
13-3.01	130310	Rain Event Action Plan (REAP)	EA	0	$500	$0
13-3.01	130330	Stormwater Annual Report	EA	0	$2,000	$0
13-3.01	130320	Stormwater Sampling and Analysis Day	EA	0	$0	$0
13-4	130100	Job Site Management	LS	1	$9,000	$9,000
		Tracking Controls				
13-7.03D	130730	Street Sweeping	LS	0	$0	$0
13-7.01	130710	Temporary Construction Entrance/Exit	EA	0	$0	$0
		Sediment Control/Perimeter Control				
13-6.03E	130640	Temporary Fiber Roll (6")	FT	0	$0	$0
13-6.03G	130660	Temporary Large Sediment Barrier (18-22" Fiber Roll)	FT	0	$0	$0
13-6.03I	130680	Temporary Silt Fence	FT	0	$0	$0
13-6.03H	130670	Temporary Reinforced Silt Fence	FT	0	$0	$0
13-6.03B	130610	Temporary Check Dam	LF	0	$0	$0
13-6.03F	130650	Temporary Gravel Bag Berm	LF	0	$0	$0
13-6.03C	130620	Temporary Drainage Inlet Protection	EA	0	$0	$0
		Non-Stormwater				
13-9.01	130900	Temporary Concrete Washout - Portable	LS	1	500	$500
		Temporary Soil Stabilization				
13-5.01	130505	Move-in/Move-out (Temporary Erosion Control)	EA	0	$0	$0
13-5.03E	130530	Temporary Hydraulic Mulch (Bonded Fiber Matrix)	SQ YDS	0	$0	$0
		Temporary Hydraulic Mulch (Mechanically Stabilized Fiber Matrix)	SQ YDS	0	$0	$0
13-5.03D	130520	Temporary Hydraulic Mulch	SQ YDS	0	$0	$0
13-5.03H	130540	Temporary Tacked Straw	SQ YDS	0	$0	$0
13-5.03J	130560	Temporary Soil Binder	SQ YDS	0	$0	$0
13-5.03C	130510	Temporary Mulch	SQ YDS	0	$0	$0
13-5.03B	130500	Temporary Erosion Control Blanket	SQ YDS	0	$0	$0
13-502.F	130570	Temporary Cover	SQ YDS	0	$0	$0
		Supplemental Items				
	066596	Additional Water Pollution Control	LS	1	$1,100	$1,100
	066595	Water Pollution Control Maintenance Sharing	LS	0	$0	$0
	066597	Stormwater Sampling and Analysis	LS	1	$0	$0
	066916	Construction General Permit Fees	LS	0	$0	$0
					Total =	**$11,700**

1. - No Time Related Overhead should be included in the Unit Price or Amount	Estimated Project Cost =	$1,200,000
2. - Use the PPDG Table F-2 to show the percentage of cost allocated for Stormwater BMP's	Percent Allocated[2] (PPDG) =	2.50%
3. - This reflects the amount that would be estimated if the PPDG planning level formula was used.	Planning Estimate[3] =	$30,000.00
4. - Percentage of the Estimated Project Cost allocated for CBMPs	CBMPs Percentage of Project Estimate [4] =	1.0%

Concurrence to utilize construction site management for all items was received via an email from William Alexander, the Caltrans Construction Storm Water Coordinator, on September 30 2016.

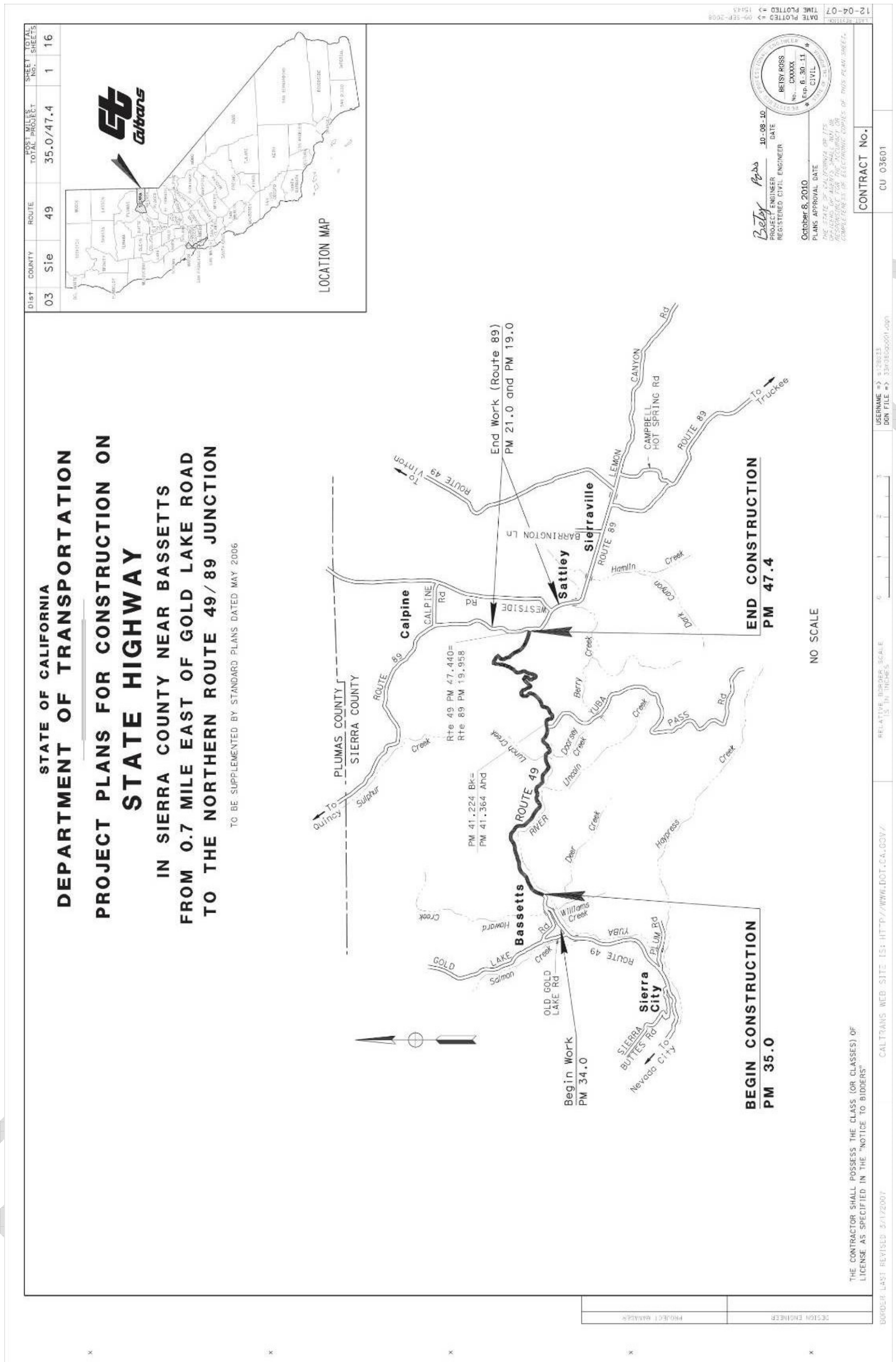
Required Attachments[1]

- Vicinity Map
- Evaluation Documentation Form
- SWDR Summary Spreadsheets

Supplemental Attachments

- Construction Site BMP Consideration Form
- Checklist CS-1, Parts 5 and 6

[1] Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g., BMP line item estimate, SW, DPP, and CS Checklists).


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SIERRA COUNTY NEAR BASSETTS
FROM 0.7 MILE EAST OF GOLD LAKE ROAD
TO THE NORTHERN ROUTE 49/89 JUNCTION
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006
LOCATION MAP
End Work (Route 89)
PM 21.0 and PM 19.0
END CONSTRUCTION
PM 47.4
BEGIN CONSTRUCTION
PM 35.0
Begin Work
PM 34.0
NO SCALE
Calpine
Sattley
Sierraville
Bassetts
Sierra City
PLUMAS COUNTY
SIERRA COUNTY
ROUTE 49
ROUTE 89
CONTRACT No.
CU 03601

Evaluation Documentation Form

DATE: 10-08-16

Project ID (EA): XXXXXX

No.	Criteria	Yes ✓	No ✓	Supplemental Information for Evaluation
1.	Begin Project evaluation regarding requirement for implementation of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Treatment BMPs. Continue to 2.
2.	Is the scope of the Project to install Treatment BMPs (e.g., Alternative Compliance or TMDL Compliance Units)?		✓	If **Yes**, go to 8. If **No**, continue to 3.
3.	Is there a direct or indirect discharge to surface waters?	✓		If **Yes**, continue to 4. If **No**, go to 9.
4.	As defined in the WQAR or ED, does the project: a. discharge to areas of Special Biological Significance (ASBS), or b. discharge to a TMDL watershed where Caltrans is named stakeholder, or c. have other pollution control requirements for surface waters within the project limits?		✓ ✓ ✓	If **Yes to any**, contact the District/Regional Design Stormwater Coordinator or District/Regional NPDES Coordinator to discuss the Department's obligations, go to 8 or 5. _____*(Dist./Reg. Coordinator initials)* If **No** to all, continue to 5.
5.	Are any existing Treatment BMPs partially or completely removed? (ATA condition #1, Section 4.4.1)		✓	If **Yes**, go to 8 **AND** continue to 6. If **No**, continue to 6.
6.	Is this a Routine Maintenance Project?	✓		If **Yes**, go to 9. If **No**, continue to 7.
7.	Does the project result in an increase of one acre or more of new impervious surface (NIS)?			If **Yes**, go to 8. If **No**, go to 9.
8.	Project is required to implement Treatment BMPs.	Complete Checklist T-1, Part 1.		
9.	Project is not required to implement Treatment BMPs. FWS *(Dist./Reg. Design SW Coord. Initials)* BR *(Project Engineer Initials)* 10/08/16 *(Date)*	Document for Project Files by completing this form and attaching it to the SWDR.		

See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs

SWDR

SWDR Signed Date	District	EA/Project ID	County	Route	Beg_PM	End_PM	Project Description	Project Phase	Long SWDR	Risk Level	DSA (ac)	TMDL Waterbody
10/8/2016	3	XXXXXX	SIE	49	35.00	47.40	Preventative Maintenance	PS&E	No	WPCP	0.0	No

Biofiltration Strips and Swales	Detention	Infiltration Devices	GSRD	TST	MedFilter	DPPIA	SA	Other BMP	Est. Const_Start	Est. Const _Comp	SW Comment
0	0	0	0	0	0	0	0	0	6/1/2017	8/1/2017	

Post Const Treatment Area (ac)	Treated Impervious Area (ac)	Treated Impervious Area Balance (ac)	Treated Pervious Area (ac)	Stabilized Area (ac)	MWELO	RSA
0.00	0.00	**0.00**	0.00	0.00	No	No

Construction Site BMP Consideration Form

DATE: 09/13/16

Project ID / EA: XXXXXX

Project Evaluation Process for the Consideration of Construction Site BMPs

No.	Criteria	Yes ✓	No ✓	Supplemental Information
1.	Will construction of the project result in areas of disturbed soil as defined by the Project Planning and Design Guide (PPDG)?		✓	If Yes, Construction Site BMPs for Soil Stabilization (SS) will be required. Review CS-1, Part 1. Continue to 2. If No, Continue to 3.
2.	Is there a potential for disturbed soil areas within the project to discharge to storm drain inlets, drainage ditches, areas outside the RW, etc.?			If Yes, Construction Site BMPs for Sediment Control (SC) will be required. Review CS-1, Part 2. Continue to 3.
3.	Is there a potential for sediment or construction related materials and wastes to be tracked offsite and deposited on private or public paved roads by construction vehicles and equipment?		✓	If Yes, Construction Site BMPs for Tracking Control (TC) will be required. Review CS-1, Part 3. Continue to 4.
4.	Is there a potential for wind to transport soil and dust offsite during the period of construction?		✓	If Yes, Construction Site BMPs for Wind Erosion Control (WE) will be required. Review CS-1, Part 4. Continue to 5.
5.	Is dewatering anticipated or will construction activities occur within or adjacent to a live channel or stream?		✓	If Yes, Construction Site BMPs for Non-Stormwater Management (NS) will be required. Review CS-1, Part 5. Continue to 6.
6.	Will construction include saw-cutting, grinding, drilling, concrete or mortar mixing, hydro-demolition, blasting, sandblasting, painting, paving, or other activities that produce residues?	✓		If Yes, Construction Site BMPs for Non-Stormwater Management (NS) will be required. Review CS-1, Parts 5 & 6. Continue to 7.
7.	Are stockpiles of soil, construction related materials, and/or wastes anticipated?	✓		If Yes, Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Review CS-1, Part 6. Continue to 8.
8.	Is there a potential for construction related materials and wastes to have direct contact with precipitation; stormwater run-on, or stormwater runoff; be dispersed by wind; be dumped and/or spilled into storm drain systems?	✓		If Yes, Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Review CS-1, Part 6.

Non-Stormwater Management

Construction Site BMPs

Checklist CS-1, Part 5

Prepared by: B. Ross Date: September 2016 District-Co-Route: 03-Sie-49

PM : 35.0/47.4 Project ID/EA: XXXXXX RWQCB: Central Valley

Temporary Stream Crossing & Clear Water Diversion

1. Will construction activities occur within a water body or watercourse such as a lake, wetland, or stream? (Coordinate with District Construction for selection and preference for stream crossing and clear water diversion BMPs.) ☐Yes ☒No

   (a) Select from types offered in Temporary Stream Crossing to provide access through watercourses consistent with permits and agreements.[2] ☐Complete

   (b) Select from types offered in Clear Water Diversion to divert watercourse consistent with permits and agreements.[1] ☐Complete

   (c) Designate as a separate contract bid line item(s). ☐Complete

Other Non-Stormwater Management BMPs

2. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants? ☒Yes ☐No

   (a) Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as NS-1 (Water Conservation Practices), NS-2 (Dewatering Operations), NS-3 (Paving and Grinding Operations), NS-7 (Potable Water/Irrigation), NS-8 (Vehicle and Equipment Cleaning), NS-9 (Vehicle and Equipment Fueling), NS-10 (Vehicle and Equipment Maintenance), NS-11 (Pile Driving Operations), NS-12 (Concrete Curing), NS-13 (Material and Equipment Use Over Water), NS-14 (Concrete Finishing), and NS-15 (Structure Demolition/Removal Over or Adjacent to Water).[1] ☒Complete

   (b) Verify that costs for non-stormwater management BMPs are identified in the contract documents. Designate BMP as a separate contract bid line item if the requirements in Job Site Management *Standard Specifications* Section 13 are anticipated to be inadequate or if requested by Construction. ☒Complete

[2] *Coordinate with District Environmental for consistency with US Army Corps of Engineers 404 and 401 permits and Dept. of Fish and Game 1601 Streambed alteration Agreements.*

Construction Site BMPs
Checklist CS-1, Part 6

Prepared by: B. Ross Date: September 2016 District-Co-Route: 03-Sie-49

PM : 35.0/47.4 Project ID/EA: XXXXXX RWQCB: Central Valley

Waste Management & Materials Pollution Control

Concrete Waste Management

1. Does the project include concrete placement or mortar mixing? ☒Yes ☐No

   (a) Select from types offered in Concrete Waste Management to provide concrete washout facilities. In addition, consider portable concrete washouts and vendor supplied concrete waste management services. (Coordinate with District Construction for selection and preference of waste management and materials pollution control BMPs.) ☒Complete

   (b) Designate as a separate contract bid line item if the quantity of concrete waste and washout are anticipated to exceed 5.2 yd^3 or if requested by Construction. ☒Complete

Other Waste Management and Materials Pollution Controls

2. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants? ☒Yes ☐No

   (a) Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as WM-1 (Material Delivery and Storage), WM-2 (Material Use), WM-4 (Spill Prevention and Control), WM-5 (Solid Waste Management), WM-6 (Hazardous Waste Management), WM-7 (Contaminated Soil Management), WM-9 (Sanitary/Septic Waste Management) and WM-10 (Liquid Waste Management) ☒Complete

   (b) Verify that costs for waste management and materials pollution control BMPs are identified in the contract documents. Designate BMP as a separate contract bid line item if the requirements in Job Site Management *Standard Specifications* Section 13 are anticipated to be inadequate or if requested by Construction. ☒Complete

Temporary Stockpiles (Soil, Materials, and Wastes)

3. Are stockpiles of soil, etc. anticipated during construction? ☒Yes ☐No

   (a) Verify that costs for stockpile management and associated sediment control and temporary soil stabilization BMPs for temporary stockpiles are identified in the contract documents. Designate as a separate contract bid line item if the requirements in Job Site Management *Standard Specifications* Section 13 are anticipated to be inadequate or if requested by Construction. ☒Complete